TRAFFIC COMMISSION REPORT
July 22, 2010

Item VE

STATUS OF TRAFFIC PROJECTS

ISSUE:

Traffic Commission requested information of the status of current traffic projects.

BACKGROUND

The Traffic Engineering Section has a number of on-going projects for this fiscal year. We also are participating in several projects, not in the Work Program, that will benefit the city.

DISCUSSION:

The following are projects listed in our 2010-11 Work Program:

- *LED Traffic Signal Lamp Replacement* – We are in the process of replacing all traffic signal and pedestrian signal lamps with LED indications. We have replaced over 90 percent of the lamps thus far, and the LED lamps have saved the city over $100,000 annually in energy costs.
- *Railroad Grade Crossing Pre-signals* – This project on Buena Vista Street at Winona Avenue will be under construction within the month. The project includes widening Buena Vista Street north of Winona Avenue to allow two northbound travel lanes, installation of southbound railroad pre-signals, widening of Winona Avenue, and permanently closing Little San Fernando Boulevard between Buena Vista Street and Winona Avenue.
- *Sign Replacement* – We have an annual program of replacing old, worn-out signs to meet current reflectivity standards. This project will continue.
- *Safe Routes to School State Cycle 7 and Federal Cycle 1* – This combined project will install countdown traffic signal indications, bicycle detection and legends, and sidewalk bulb-outs.
- *Magnolia Boulevard Signal Interconnect* – This project, currently underway, installs fiber communications along Magnolia Boulevard (the last major street to get fiber). The project also includes the upgrade of four traffic signals to semi-actuated operation at: Buena Vista & Verdugo, Buena Vista & Thornton, Buena Vista & Clark, and Hollywood Way & Verdugo. The project is funded by ARRA monies.
- *Traffic Signal System Upgrade* – This project replaces about 10 traffic signal controllers per year. The new systems will have a faster

communications rate, a higher number of signal phases, and modern technology.

- *Buena Vista / Alameda Intersection Improvements* – This project will widen Alameda Avenue at Buena Vista Street to add dual left turn lanes. The project is currently out to bid.
- *Traffic Signal Reconstruction* – A grant from Caltrans will fund the reconstruction of signals and add communications at Verdugo Avenue & Parish Pl. and at Verdugo Avenue & Keystone St. The project will be designed this year and constructed in 2011.
- *I-5 / SR-134 Congestion Management Project* – A METRO grant is funding this joint Burbank / Glendale project to install communications, system traffic detectors, cameras, and new signal poles on Victory Blvd., Alameda Ave., Western Ave., and Sonora Ave.
- *Buena Vista Street / Riverside Drive Signal Improvements* – This project, funded by General Funds, will add separate left turn signals and bicycle detection to this traffic signal. Caltrans must approve the project.
- *Downtown SMART Sign Project* – Changeable message signs will be installed at most of the downtown parking structures to inform motorists of the available parking spaces in each garage. Parking availability will be advertized on the city website and on telephone applications.
- *Downtown WiFi Network* - Traffic Section is working with CDD and IT staff to provide free WiFi services in the downtown area. The WiFi transmitters will be connected to IT and the internet through the traffic fiber network to provide fault tolerant service.
- *Glenoaks Blvd / San Fernando Blvd. Signal Control Upgrades* – A METRO grant will fund the purchase and installation of 65 traffic signal controllers in Burbank and Glendale on these two streets. They will be installed in 2010.
- *Street System Travel Time* – Burbank is experimenting with a wireless device, embedded in the pavement, that will provide real time travel time information. Devices are planned for Buena Vista Street, Alameda Avenue, and Glenoaks Boulevard.
- *IP Addresses* – Staff is continuing to change traffic system protocols form direct connection to IP (Internet Protocol) addresses. The IP addresses will efficiently utilize available fiber bandwidth, eliminate the existing point-to-point communications, and allow remote monitoring of all camera, controller, and sign operating information through secure internet. It will also allow porting of information to the city website and smart telephones.

CONCLUSIONS

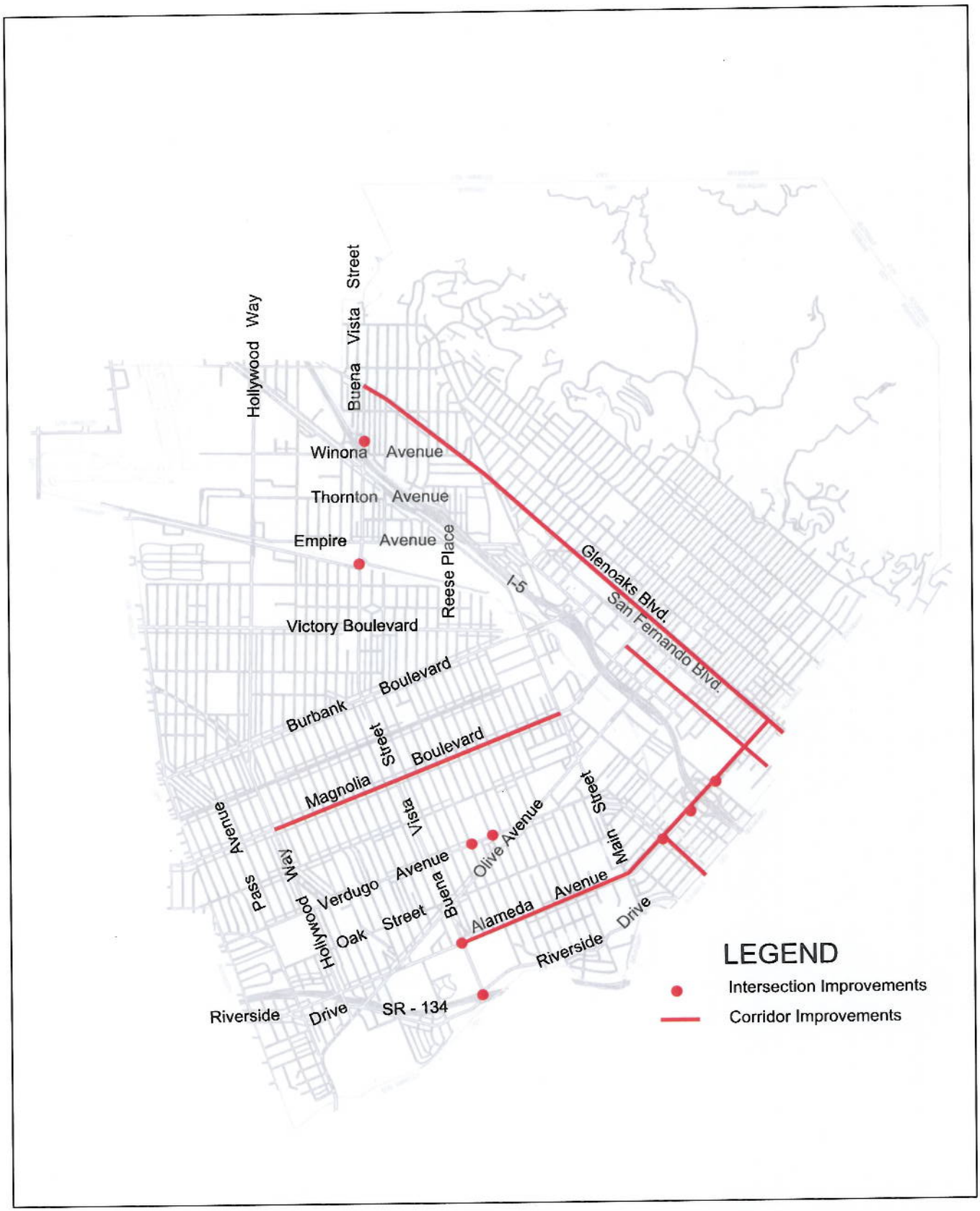
The Traffic Section has a number of ongoing and planned projects to make the traffic control system more efficient.

RECOMMENDATIONS:

Receive and File

ATTACHMENTS:

1. Location of Traffic Projects



Location of Projects

ARRAII.dwg

K: Traffic/ARRAII/ARRA2